Soviet Antimissile System Spurs New U.S. Weapons

Improved Nuclear Warheads Designed to Penetrate Wide Defense Network -More Sweeping Changes Seen

By HANSON W. BALDWIN

elear warheads and major Atomic Energy Commission, changes in United States mis-issued a few days ago, mensite technology are being ac-tioned a continuing modificacelerated partly as a result of tion program for "some warthe Soviet deployment of anti-heads," with the objective of ballistic missile installation.

studied intelligence data about ments generated by antiballisthe Russians' installations fear tic missile countermeasures. that their defensive system may The report's sober statement be based on what one described was regarded as an understateas the "zapp" effect-such as ment of the intensive work bethe ray gun in the comic strips ing done to protect United of high altitude nuclear ex-States warheads and to assure a plosions.

The tremendous burst of trate Soviet defenses. megaton explosions in the information about effects of heads.

newly designed missile war-words of one expert, that heads, with improved electrical "there is just no way to know circuits, better materials and if the solutions are valid." some suciding against the neu- The beginnings of an even tren, electromagnetic and ther-fractionally effective Soviet anmai effects of a nuclear blast, are being produced.

The development of new nu- The annual report of the "further decreasing warhead Some officers who have vulnerability to nuclear environ-

continuing capability to pene-

energy resulting from multi- But the pageity of accurate vacuum of space could neu-high-altitude atomic explosions traine or destroy incoming war- and the atmospheric nuclear test han that outlaws such deit is for this reason that velopmental tests mean, in the

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Deployment of Soviet Antimissile Defensive System Spurs U.S. to Design Better Atomic Warheads

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our warheads i system probably will not besues. However, we want Nevertheless, the test. that fully ready for six to 18 months; the intitual deployment of the most have been made at h, h at the sharp differences of opin-Tallian system covered the most have been made at h, h at the sharp differences of minimportant missle approaches to titude of large-scale nucle results in the intelligence com-important missle approaches to titude of large-scale nucle results with the Central In-the Sortet heartland from the plosions have demonstrated the

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United States is thought to be put

Some observers believe that

potents and of out with little fallout near the exclatonic explosives; thus, more introdumend mirelies, or a concentration of all these neasure in the sorted in some of waith-add and more missiles bination of all these neasure in a south of the sorted to some observers believe that in the Sorted text in 1961, nuclear weapons.

In a Soviet text in 1961, nuclear weapons.

In the Profit of a formation of the disadvantage to the expirit the same targets.

In the Profit of a formation country of such doe. This upsetting factor in the bility would make the current in the profit of a formation in the Profit of a formation in the trades and the complicated that their mediate missile organization in the profit of a formation in the formation in the profit of a format

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